

Converting Colors

$Yxy(76.2398, 0.3184, 0.3565)$

Have a look what the booklet for
Yxy(76.2398, 0.3184, 0.3565)
contains.

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Color

Yxy(76.2070, 0.3183, 0.3565)

Conversions

Conversions Part 1

Format	Color
Hex	D8E7CE
RGB	216, 231, 206
RGB Percent	85%, 91%, 81%
CMY	0.1528, 0.0941, 0.1921
CMYK	0.06, 0.00, 0.11, 0.09
HSL	96°, 34%, 86%
HSV	96°, 11%, 91%
XYZ	68.0412, 76.2070, 69.5162
YIQ	223.6650, -0.9150, -10.9550

Conversions

Conversions Part 2

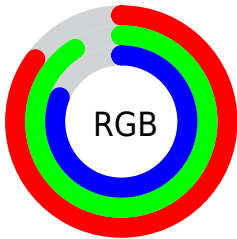
Format	Color
R _Y B	206, 231, 221
Decimal	14215118
CIE Lab	89.96, -9.42, 10.47
CIE LCh	90, 14.083, 131.995
Yxy	76.2070, 0.3183, 0.3565
Android (android.graphics.Color)	4292405198 (0xFFD8E7CE)
YUV	223.6650, -8.7088, -6.7222
Hunter-Lab	87.2966, -13.6417, 13.8937

Details

The Yxy color **76.2070, 0.3183, 0.3565** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.2811, 0.3066, 0.3018**, and the grayscale version is **74.3582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.5040, 0.3192, 0.3622** is the 20% darker color. If you saturate the color by 10%, you get **73.1491, 0.3233, 0.3844**, and if you desaturate by 10%, it is **79.6140, 0.3131, 0.3310**.

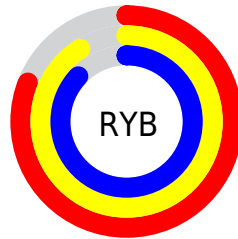
Distribution



Red (85%)

Green (91%)

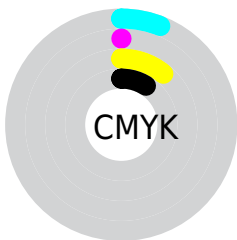
Blue (81%)



Red (81%)

Yellow (91%)

Blue (87%)

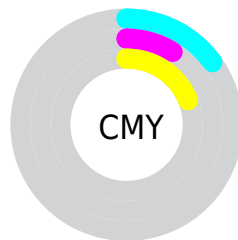


Cyan (6%)

Magenta (0%)

Yellow (11%)

Black (9%)



Cyan (15%)

Magenta (9%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.2070, 0.3183, 0.3565 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 76.2070, 0.3183, 0.3565 by changing the saturation by 10% instead.

■ 76.2070, 0.3183,
0.3565

■ 76.2070, 0.3183,
0.3565

482.0560, 0.3158,
0.3437

■ 56.6023, 0.3188,
0.3595

128.0195, 0.3175,
0.3520

■ 40.6860, 0.3195,
0.3631

160.9960, 0.3171,
0.3503

■ 28.0738, 0.3203,
0.3678

199.1986, 0.3169,
0.3488

■ 18.3813, 0.3213,
0.3740

243.0116, 0.3166,
0.3475

■ 11.2241, 0.3225,
0.3824

292.8194, 0.3164,
0.3464

■ 6.2178, 0.3242,
0.3948

349.0065, 0.3162,

■ 2.9779, 0.3264,

0.3454

0.4145

411.9573, 0.3160,
0.3445

■ 1.1202, 0.3398,
0.4656

■ 0.0000, 0.0000,
0.0000

■ 76.2070, 0.3183,
0.3565

■ 76.2070, 0.3183,
0.3565

■ 73.1491, 0.3233,
0.3844

■ 79.6140, 0.3131,
0.3310

■ 70.4188, 0.3279,
0.4143

■ 83.3710, 0.3080,
0.3080

■ 68.0072, 0.3317,
0.4455

■ 85.6308, 0.3138,
0.3058

■ 65.9012, 0.3345,
0.4768

■ 64.0869, 0.3357,
0.5068

■ 62.5488, 0.3351,
0.5337

■ 61.2697, 0.3326,
0.5558

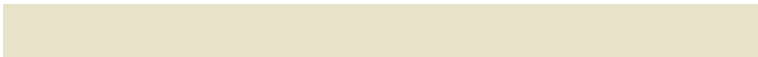
■ 60.2300, 0.3283,
0.5718

■ 59.4595, 0.3233,
0.5815

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.2070, 0.3338, 0.3580



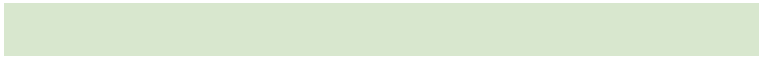
76.2070, 0.3183, 0.3565



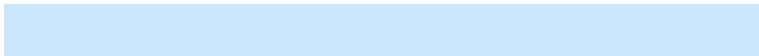
76.2070, 0.3016, 0.3470

Triad

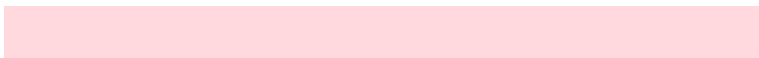
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.2070, 0.3183, 0.3565



76.2070, 0.2824, 0.3058



76.2070, 0.3378, 0.3251

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



76.2070, 0.3183, 0.3565



65.2811, 0.3066, 0.3018

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.2070, 0.3234, 0.3120



76.2070, 0.3183, 0.3565



76.2070, 0.2916, 0.3009

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



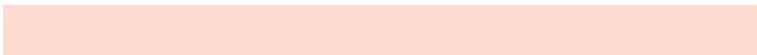
76.2070, 0.3183, 0.3565



76.2070, 0.2812, 0.3172



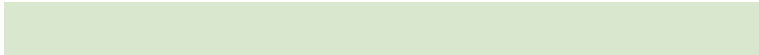
76.2070, 0.3065, 0.3033



76.2070, 0.3453, 0.3394

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.2070, 0.3183, 0.3565



76.2070, 0.2920, 0.3375



76.2070, 0.3065, 0.3033



76.2070, 0.3336, 0.3204

Sweetspot

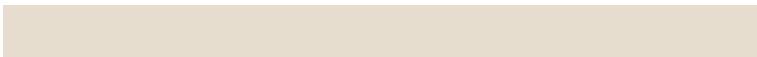
The Sweet Spot groups the original color and five complimentary colors.



76.2103, 0.3183, 0.3565



98.6584, 0.3143, 0.3364



72.9381, 0.3301, 0.3447



21.0417, 0.3147, 0.3384



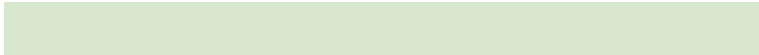
0.0000, 0.0000, 0.0000



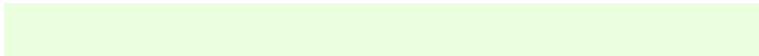
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.2103, 0.3183, 0.3565



94.4728, 0.3194, 0.3626



74.8313, 0.3101, 0.3547



16.3698, 0.3176, 0.3529



33.4022, 0.3244, 0.5806



2.5212, 0.3359, 0.5715

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



65.2811, 0.3066, 0.3018



78.2079, 0.3051, 0.2959



66.7848, 0.3154, 0.3046



14.3118, 0.3074, 0.3054



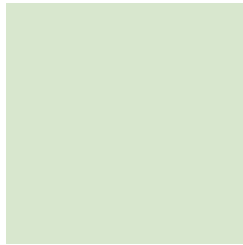
6.3547, 0.2232, 0.1003



0.5233, 0.2372, 0.1080

Previews

White Background



This preview shows how the Yxy color 76.2070, 0.3183, 0.3565 looks on a white background.

Color Contrast Check

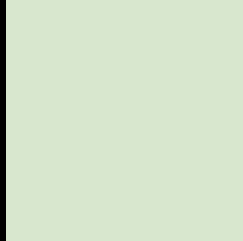
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 76.2070, 0.3183, 0.3565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

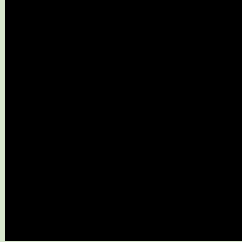
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

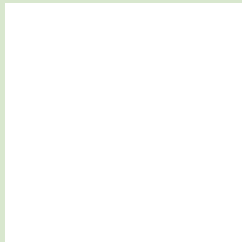
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.2070, 0.3183, 0.3565

Background



This preview shows how black text looks on a background with the Yxy color 76.2070, 0.3183, 0.3565.

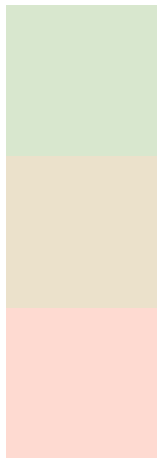


This preview shows how white text looks on a background with the Yxy color 76.2070, 0.3183, 0.3565.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.2070, 0.3183, 0.3565

Protanopia

75.8244, 0.3345, 0.3525

Deuteranopia

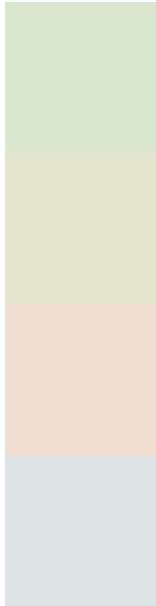
75.8171, 0.3456, 0.3383



Tritanopia

76.3934, 0.2993, 0.3111

Trichromacy



Original Color

76.2070, 0.3183, 0.3565

Protanomaly

75.7918, 0.3285, 0.3538

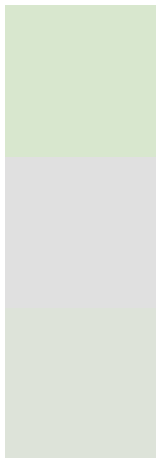
Deuteranomaly

75.8547, 0.3350, 0.3448

Tritanomaly

76.4156, 0.3060, 0.3268

Monochromacy



Original Color

76.2070, 0.3183, 0.3565

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.3201, 0.3150, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2070, 0.3183, 0.3565 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(216, 231, 206)` looks like.

```
.text, #text, p{  
    color:rgb(216, 231, 206)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(216, 231, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 231, 206) }
```

Border

The CSS property to change the border of an element to Yxy 76.2070, 0.3183, 0.3565 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 231, 206) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(216, 231, 206) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(216, 231, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 231, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 231, 206);  
box-shadow:4px 4px 4px 4px rgb(216, 231,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2070, 0.3183, 0.3565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 231, 206) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(216,  
231, 206) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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